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Vol. 9

FEBRUARY 1928

No. 8



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A MONTHLY MARKET JOURNAL

DEVOTED TO THE INTERESTS OF THE
ASBESTOS AND MAGNESIA INDUSTRIES

A. S. ROSSITER

EDITOR

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February 1928

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— A S B E S T O S —



Standing, left to right:

C. M. Clarke, Sall Mt. Co.
Mr. Hoag, Philip Carey Co.
T. F. Manville, Johns-Manville Co.
Mr. Richmond (connection unknown).
Mr. Platt, Norristown Magnesia & Asbestos Co.
T. T. Lyman, Johns-Manville Co.
R. W. Potter, H. F. Watson Co.

Seated:

Fred Huntingdon
R. V. Mattison, Jr., of Keasbey & Mattison Co.
W. A. Macan, Sr., of Ehret Mag. Mfg. Co.
Mr. Todd, Chicago Asbestos Co.

This photograph was found in the effects of the late W. A. Macan, Sr. It was taken at Brighton Beach, N. J., August 2nd, 1907, and represents the members of the old Magnesia Pool, of which Fred Huntington was the Secretary. If any of our readers can supply the missing initials or can give us the name of the company with whom Mr. Richmond was connected, we will greatly appreciate it.

Outfitting the Furnace Man with Asbestos

BY H. C. CHARLES *

Not only does asbestos serve industry as an insulation for its ovens, furnaces and in many other ways, but it also serves the workers in industry in a very personal sense.

Wherever hot iron must be handled, asbestos will fill a very important office; particularly in the forge shops of industry, where long bars of steel are handled from the furnaces to the drop-hammers, to the bulldozer and to the presses, asbestos is used.

Step into any forge shop within easy reach and notice how the workmen must reach forth and remove a piece of white-hot iron, from a roaring furnace. The projecting end is still black, but the run-back of the heat often raises the temperature of the end of the stock to four or five hundred degrees—entirely too hot to be handled with the ordinary hand protection devices such as plain leather, cloth, etc. Material that is too bulky to be handled by means of tongs material that is too small to be handled by overhead cranes and other mechanical devices, all must be handled by hand. Of course where the stock is heated to a high temperature some mechanical means must be at hand for handling.

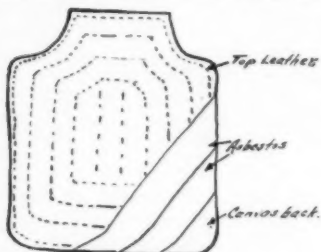
A typical hand pad used in industry for handling hot stock is shown in Figure 1. This pad, however, is different from the ordinary pad in that asbestos is used in its fabrication. The layers of asbestos cloth are shown at "A" between two pieces of leather "B." The whole is sewn in order to prevent the asbestos cloth from bunching up and migrating to a lump at some point or other. These pads are easily made and where given the workmen who must handle hot stock, there results a very appreciable increase in the amount of work turned out.

Obviously where the workman senses the heat of the stock directly on his hands he is going to proceed cautiously. After handling a piece he will take time to cool his hands, for which no one can blame him. All this wastes time and lowers his production accordingly.

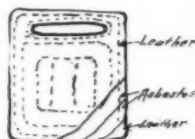
Provide this same man with asbestos cloth insulated

— A S B E S T O S —

pads and his production takes an upward swing. In the first place he is insulated from the hot stock and immediately the intense shock to his nerves is eliminated. He does not require time to cool his hands after each piece and he gains confidence in the pads and their ability to protect him from severe burns. In the second place he finds the atmosphere entirely different. He does not notice the radiant heat of the furnace so much since he can slip up, quickly capture the piece of stock and retreat. He does not work cautiously in the same sense as before, for fear of burnt hands. He knows that his insulated pads will effectively separate him from the heated stock.



The Apron



The Hand Pad

Now just as the hand pads are a boon to the fellow who must handle hot stock, so is the apron to the hand smith. In industry the hand smith is really relegated to just a few tasks. In other words, the hand smith is scarce, but his place has been divided and sub-divided into various operations such as forging, drop work, spring hammer work and others. Machines have largely replaced the hand work of the old time smith. They have not, however, replaced the necessity for someone to handle the hot stock. Take for example the spring and helve hammer. We note that the workman must handle the heated stock in order to produce from these machines. Not infrequently he will get the stock against his clothing with resulting burns of clothing and often his body unless some protection is provided.

The usual method of protection is a leather apron, but even the leather apron does not insure against burns. The

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Roof Paints
Asbestos Roof Cements
Asphalt Pitch

THE PHILIP CAREY COMPANY
Lockland, Cincinnati, Ohio

— A S B E S T O S —

apron shown in Figure 2 has been used quite extensively thruout industry by machine hands working on such machines as mentioned. The construction of the apron is very similar to the construction of the pads. The layers of asbestos cloth are sewn between a layer of leather and a layer of cloth, preferably canvas. The leather side, of course, is the outside.

At first thought the apron may appear costly when compared with the plain leather apron, but actually it is not as a cheaper grade of leather may be used when asbestos is used with it. The blacksmith of old prided himself on the fine grade of his apron, usually insisting that the leather be cut from the hide center. That meant that the backbone of the hide was in the vertical center of the apron and what vein marks appeared, branched downward and outward. With the apron built of leather, asbestos cloth and canvas, the leather need not be high grade, in fact flank leather or leather containing profuse vein marking will be just as satisfactory, this because the construction prevents the excessive wrinkling and shrinking of the leather. The amount of asbestos cloth to be sewn between the leather and canvas depends upon the service to which it is to be put—it usually ranges from two to four thicknesses. The leather thickness should be kept down, in fact thin leather can be used.

A New Use for Asbestos Mats

(Island News Service)

While Asbestos mats have for a number of years been used in connection with cooking, a somewhat new application of the same idea is the use of asbestos cloth in baking fruit tarts or meringue pies.

In the baking of fruit tarts, the fruit should not be exposed to the same heat as the top crust of the pie. In the case of meringue pies, the baking of the meringue means almost a second baking of the lower crust.

The asbestos cloth is placed between the dish which holds the pies and an outer metal dish of similar shape. This makes sufficient insulation so that only the top of the pie (either the meringue or top crust) is baked.

— A S B E S T O S —

Johns~ Manville

CORPORATION

■

— A S B E S T O S —

The Schierloh Sales Company

The Schierloh Sales Company was organized in 1925. Previous to that time Fred Schierloh, the founder and present manager of the Company, was connected for



Fred Schierloh

a number of years with the Philip Carey Company in various capacities—as Salesman, Manager of the Carey Winnipeg lation Departments of the Chicago Office, Manager of the Carey Winnipeg (Canada) office preceding the world war, and personal representative of the Vice President of the Philip Carey Company.

Later Mr. Schierloh served the Keasbey & Mattison Company for three years, as Manager of their Cincinnati Office.

The Schierloh Sales Company, which is located at Lockland (Cincinnati), Ohio, do a general wholesale and contracting business in Pipe and Boiler Coverings and Asphalt Built up roofs. They specialize in Pyro-Bestos Stack and Breeching Lining, for which they have exclusive sales rights in five states.

At the present time they represent the National Asbestos Mfg. Company of Jersey City, the Sall Mountain Company of Chicago, the H. F. Watson Company of Erie, and the Raybestos Company of Bridgeport, Conn., in various asbestos lines. They also represent the Burt Mfg. Company of Akron, Ohio, on Ventilators, and the American Transom Sales Company of Philadelphia on louvered steel transoms and door ventilators.

They are at present looking for a connection with a manufacturer of Magnesia Products on a straight commis-

— A S B E S T O S —

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at
Ambler, Pa.

— A S B E S T O S —

sion basis, for representation in Southern Ohio and Indiana, all of Kentucky and Tennessee and the western half of West Virginia.

Another wide-awake distributor and contractor who finds that he can render a real service, with profit to both his customers and himself by the carrying of a number of affiliated lines.

According to reports from those interested in Amosite Asbestos, this material has at last come into its own, so much so that the entire production for 1928 has been disposed of in advance.

Considerable development work is proceeding and it is hoped that as a result the present estimated output of the mines will be largely increased. Therefore, while no large contracts can be booked ahead at the moment, small lots can be dealt with, and in any case it is probable that by April the development work now in hand will radically alter the position.

The material is used for all kinds of industrial purposes. The first quality can be spun into an excellent chemically pure cloth. No. 2 grade (the production of which is uncertain) is equally suitable for the manufacture of Asbestos Fibre Rope, while the No. 3 grade has been proven to be an excellent ingredient for Asbestos Cement Shingles, Insulating Slabs, Electrical Goods, etc. Its rapid growth, from neglect to popularity is, we should imagine, unprecedented in the history of the Asbestos Industry.

HEAT : COLD INSULATION CONTRACTS

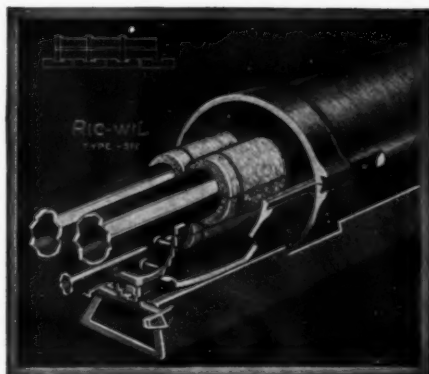
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IMPORT

EXPORT

The Production of Zinc and Its Use in Roofing

BY HERMAN E. WENNSTROM, Staff Writer.

Universal Trade Press Syndicate.

Zinc occurs but rarely in the native state, but is widely met with in combination, numerous minerals containing zinc in a combined state.

The number of the industrially important ores of zinc, however, are few. The chief ones are sphalerite or zinc blend, which is composed of zinc sulphide. This occurs in large quantities in Missouri, mostly in association with lead ores. Other important zinc bearing minerals are franklinite, composed chiefly of oxides of iron and zinc with more or less manganese, furthermore, zincite, which is a native oxide of zinc of a red color due to the presence of iron. Another zinc mineral associated with these two is willemite, essentially a silicate of zinc. These last three mentioned are the chief sources of zinc in New Jersey. Another ore of great importance, but only in Europe, is calamine, which is a carbonate of zinc.

Formerly calamine was the chief source of zinc, at least in Europe. At the present time, zinc is largely produced in New Jersey, the ores worked being chiefly, franklinite and zincite.

The first step in the preparation of zinc generally consists in subjecting the ore to a roasting process which removes the carbon dioxide and water contained in it and in addition in the case of zinc blend or sphalerite converts the sulphide of zinc into oxide. In the roasting of zinc ores special care has to be taken in order to prevent the formation of zinc sulphate as this is a salt which is very resistant to heat and which if allowed to remain, will be converted into sulphide in the subsequent reduction process, thereby entailing a considerable loss.

The roasting of zinc ores may be carried out in simple shaft or reverberatory furnaces, however, large mechanical furnaces are now as a rule used. These may be either of a

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revolving type, or long bed furnaces, or furnaces of a muffle type worked mechanically. When sphalerite or blend is the ore worked it is possible to carry out the roasting in a special furnace of the muffle type which is so arranged that the sulphur dioxide formed can be collected and utilized in the production of liquified product or in the production of sulphuric acid or for other purposes.

The next step to which the ore is subjected after having been roasted is that of reduction, the oxide of zinc being reduced to metallic state. This is accomplished by means of carbon, coal being the material generally used. When the mixture of oxide and coal is subjected to heat, reduction takes place, the carbon monoxide formed from the coal escapes together with the metallic zinc which is in the form of vapor and is allowed to condense. Tube shaped retorts of a refractory fire clay may be used which may be either circular or elliptical in cross section. The length may be from three to five feet. Circular retorts are generally from 6 to 10 inches in diameter, elliptical retorts are commonly about seven by nine inches. The furnaces in which these retorts are heated are for the most part by gas, there being often a provision for a Siemen's regenerator arrangement. The number of retorts per furnace may vary, there may be as many as sixty or seventy and generally from four to six rows. The retorts are set on a slight incline so as to facilitate the removal of the spent charge after the completion of the operation.

The charge usually consists of two parts of ground roasted ore and one part of coal powder, each retort holds about 40 pounds of this mixture. When the temperature has attained a sufficient height the reduction begins, carbon monoxide being formed which burns from the end of the clay adapter with a blue flame. Later on the zinc commences to distill which causes an increase in the brilliance of the flame, when this occurs a condenser which is made of iron is connected to the adapter and the zinc vapors condensed. After about three hours the iron condenser is removed and the oxide knocked out. A ladle is held under the mouth of the clay adapter, the metallic zinc which has accumulated in the same being scraped out. The iron re-

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ceiver is then replaced, and after a further run of four hours the operation is repeated. It is completed in about twenty hours. The spent charges are then removed from the retorts and fresh ones introduced. In this manner one charge is run off from each retort in twenty-four hours.

The reduction may also be carried out in muffles which are arranged side by side in a reverberatory furnace, there being from 30 to 40 such muffles which may contain from one and a half to two tons of the mixture of roasted ore and coal powder. The vapor of the reduced zinc passes out of the retorts thru a bent clay pipe and condenses in an iron tube, dropping into an iron tray contained in an inclosed space in the furnace. During this process a considerable amount of zinc is burnt producing zinc oxide, a by-product.

Commercial zinc is not absolutely pure, containing almost invariably small quantities of lead, iron, and carbon. Often silver, cadmium, and small traces of arsenic, antimony, and other metals may be present.

Zinc is a metal of a bluish white color of a coarse laminar texture. It possesses the greatest ductility and malleability at temperatures between 212° and 302° F. At these temperatures, it is susceptible to mechanical operations such as rolling, spinning, drawing, etc. At a higher temperature, again, 401° F., it is so brittle that it can be readily powdered.

Zinc is largely used for a number of different purposes, such as the production of sheet zinc, and for application as a protective coating on iron which is commonly called galvanisation, furthermore, it finds employment in the production of brass, an alloy of copper and zinc, and in the production of other alloys.

Sheet zinc is quite suitable for roofing purposes, altho it is not made use of so often as other materials for the same purpose. In roofing it is chiefly employed for the covering of flat roofs and valleys and finds employment for this purpose to a fairly great extent, especially in work on moderate priced buildings. Zinc as a roofing material will last for a considerable length of time as long as it is not subjected to any considerable amount of mechanical wear and tear.

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Specimens laid in the Davonport Dock Yark by Messrs. Braby and Company have been removed in good condition after the expiration of a period of more than forty years, while this is often exceeded in the case of roofs and valleys of houses of competitive construction. Altho zinc is a very soft metal and can easily be bent, it is not sufficiently ductile at ordinary temperature to be bossed into shape for fitting into corners in the same way as lead, consequently it has to be cut and soldered to the required shape.

Certain precautions must be observed when zinc is employed in positions where it is exposed to the weather. It should not be placed in contact with other metals as in such circumstances it will rapidly deteriorate owing to the generation of electric current. The fume laden air of cities and salt air also exert a destructive action. In inland places, however, the zinc oxidises on the surface with the production of a white coating of oxide which constitutes a protective coating preventing further change.

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— A S B E S T O S —

FACT AND FANCY

An Asbestos Movie Screen.

A short time ago the Prince of Wales attended a special performance at the Marble Arch Pavilion, of one of the leading cinemas in London, and after the performance expressed it as his opinion that the screen could with advantage be made larger.

The Management immediately took steps to carry out the suggestion. During the experiments made to determine the best size of screen, they, quite by accident, threw the light on their Asbestos fireproof curtain. The Manager was immediately struck with the very fine reflecting qualities of this curtain and with the soft, but radiant effect produced. Their new screen, which will be a very large one, is therefore to be made of Asbestos cloth.

This is an interesting development, and it appears quite probable that Asbestos cloth, being woven from a mineral and possessing a natural sheen, would absorb far less, and radiate back far more, light than any other woven material.

Insulating Old Heating Systems.

One of our New England correspondents reports an increasing interest in that section in the insulating of old heating systems in residences, and of exposed range boilers and hot water tanks and heaters.

This correspondent, who himself takes contracts for the insulating of house heating plants, believes that the owners of homes are waking up to the fact that insulation saves them money and keeps their homes warmer.

Without doubt if all, or even a large part of the old exposed piping, tanks, boilers, heaters and hot air furnaces, were to be covered with insulating material, it would give more work to the insulation contractors than all the new work contemplated.

It surely pays the insulation contractor to be on the lookout for insulation jobs on old heating systems, and this is especially true in New England, New York, and

— A S B E S T O S —

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A S B E S T O S

other northern and western states where the winters are long and severe.

How can we spread the gospel of insulation to the owners of homes and other buildings where the heating system is not insulated against the escape of heat units?

A Pleasant Visit.

One of our Staff recently had the privilege of visiting Los Angeles and San Francisco, at which points he was most cordially received by those of the Asbestos Industry he was fortunate to find at home.

It was delightful to renew old acquaintances and make some new ones in this rapidly growing and beautiful country.

Thru the courtesy of Mr. Miller and Mr. Plant, he was taken thru the Magnesite plants of the National Magnesite Mfg. Company and the Plant Rubber & Asbestos Works, as well as the extensive, well-arranged warehouses and packing factory of the latter.

Being familiar with the Eastern Magnesite making processes, it was especially interesting to see how they make Magnesite from Magnesite and from bittern and trona. In fact it was a revelation.

The Asbestos-Magnesite Industry is in capable hands on the Pacific Coast and any of the Eastern Manufacturers or dealers who visit that sector will, we are sure, be accorded a royal welcome and will marvel at the wonderful development now made and in the making on the West Coast.

Progress of the Rhodesian and General Asbestos Corporation, Ltd.

In the report made by the Chairman and Managing Director, Sir Edmund Davis, of the Rhodesian and General Asbestos Corporation Ltd., (and published in a recent issue of the Rhodesian Mining Journal), attention was drawn to the extensive development of their various asbestos mines, particularly Shabanie.

A year ago it was decided by officials and engineers of the company that their central station at Shabanie would be sufficiently equipped with 4 units of 325 h.p. each, but it has been found necessary to add to this equipment a

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Quebec, Canada

— A S B E S T O S —

further 2 units of 625 h.p. each, and when this plant is erected and the sections of the mine at Shabanie developed, there should be an increase in the Shabanie output of 75 to 100 per cent.

It was found necessary to increase the power plants at Gath's and Kings. At Gath's a single unit of 180 h.p. has been replaced by two units of 325 h.p. each, and the 180 h.p. shifted to Kings.

Transportation and labor are two ever present problems, but the new railway which should be on the property late this month (February) or early next, will help solve the transportation problem, and the firm is doing its best to cope with the native labor problem, it being hard to obtain sufficient labor for the work required.

Orders are in hand for material amounting to a value of £965,693 against which it is expected that only £615,236 can be delivered this year and the company is therefore compelled to ration their buyers.

It was therefore decided to increase the capital of the Corporation to £1,050,000, the additional capital to be used to meet extra development and larger equipment.

The South African Mining & Engineering Journal of December 31st, in commenting on asbestos activity in Africa, remarks that considerable activity continues in the various asbestos properties, and several flotations are promised for the New Year in the Barberton District. Capital has been interested in several new properties, which are said to contain high quality material and the output from that district should show expansion in 1928.

In the northern Transvaal one or two properties are developing favorably. The blue asbestos fields are likewise attracting increased attention altho the difficulty of procuring native labor and the absence of a Railway are proving very severe handicaps. The disposal of the product to best advantage also presents special difficulties, and generally it seems that much still remains to be done before the blue asbestos industry can be said to be on a satisfactory basis.

— A S B E S T O S —

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JACKSONVILLE	NEW ORLEANS	HOUSTON
Works, St. Louis, Mo.		

A S B E S T O S



Rhodesia.

Bulawayo District.

	October 1927	
	Tons	Value
	(2000 lbs.)	
Biltong (Vukwe Asb. Syn. Ltd.)	12	£ 240
Nil Desperandum & Sphinx (Afr. Asb. Mng. Co. Ltd.)	712	15,943
Pangani (J. S. Hancock)	23	306
Shabanie (Rho. & Gen. Asb. Corp. Ltd.) ..	511	10,230

Victoria District.

Gath's (Rho. & Gen. Asb. Corp. Ltd.)	681	13,617
King (Rho. & Gen. Asb. Corp. Ltd.)	278	5,559

2,217 £45,895

Deduction overdeclared on adjustment to 3/31/27 Gath's (R. & Gen. Asb. Corp. Ltd.)		5,810
--	--	-------

2,217 £40,085

October 1926 2,191 40,932

Union of South Africa.

	October 1927	
	Tons	
King (Rho. & Gen. Asb. Corp. Ltd.)	278	5,559
Transvaal (Amosite)	612	£ 6,129
(Chrysotile)	972	14,555
Cape (Blue)	349	7,992

1,933 £28,676

October 1926 1,294 £19,861

Cyprus

December 1927	200 tons (2240 lbs.)
December 1926	147 tons (2240 lbs.)
Total for year 1927	11,200 tons (2240 lbs.)
Total for year 1926	6,197 tons (2240 lbs.)



— A S B E S T O S —



AMERICAN ASBESTOS COMPANY



Manufacturers of
Asbestos Textiles

NORRISTOWN, PA., U. S. A.

Headquarters for
**Yarns, Cloth, Tapes, Fibres, Brake
Linings and Textiles Generally**

WRITE FOR PRESENT PRICES

— A S B E S T O S —

MARKET CONDITIONS

General Business.

"It is still a little early, of course," says the Industrial Digest, "to jump to any very definite conclusions for 1928 on the basis of the January trade returns, but it cannot be denied that in a number of important respects the year has started fairly well." And the Industrial Digest goes on to point out that steel, automobile, farm implement, and building have all resumed or continued the upward swing started in late December, and that the textile manufacturers have progressed notably in bringing production more in line with consumption. This is a most satisfactory report with which to begin the new year and we believe most Asbestos lines can echo the report that the year has started fairly well.

The Raw Material Market.

Demand in the raw material market is ahead of supply in most Asbestos mining centers. Prices will undoubtedly remain firm—more than likely advance. The extraordinarily severe



TRADE MARK

ASBESTOS-CEMENT
SHINGLES
CORRUGATED
SHEETS
AND LUMBER,

ARE USED EXTENSIVELY
BY THE BELGIAN RAILWAY
AUTHORITIES & WAR
DEPARTMENT.

THIS IS PROOF OF
THEIR QUALITY.

**L. Scheerders-
Van Kerchove,**

St-Nicholas-Waes
Belgium

QUOTATIONS, LITER-
ATURE and SAM-
PLES SUBMITTED TO
ANYONE INTER-
ESTED.

— A S B E S T O S —

winter conditions in Canada has cut the production of most Canadian mines in half, which, of course does not tend to improve the Crude and Spinning Fibre situation.

A reader well qualified to judge of the raw material market in commenting on the shortage of Crude and Spinning Fibre, says that he does not believe the majority of Asbestos Textile Manufacturers in this country, fully realize the situation, and further:

"They are still quoting prices on yarn, brake lining and cloth on the basis of their old purchase contracts and are satisfied with a diminutive margin of profit on the small amount of comparatively cheap raw material they have on hand, instead of considering that they will soon have to pay higher prices for raw material and that they should raise their prices on manufactured goods gradually, to conform with the raw material prices they will have to pay a few months hence, instead of upsetting the trade then by violent, jerky upward price movements. It appears as tho all sources of supply—Canadian, African, Russian, would fall short in supplying their 1928 contract commitments, and the present low prices quoted on Asbestos Textiles proves a short sighted policy on the part of the majority of manufacturers and their inability to grasp that not only in this country but particularly in Europe there will be such an increased demand during 1928 that even if Asbestos producers in the three countries mentioned should be able to fill their commitments, the supply of raw material will not suffice to take care of the increased consumption.

Manufactured Goods.

In most lines demand is setting a good pace. Insulation markets are steady.

The market for Asbestos Paper and Millboard continues firm. One of the larger manufacturers has recently published the following schedule of prices on these materials:

Commercial Paper, in 8, 10, 12, 14, 16 and 32 (1/16") pound weights, 18, 24 and 36 inch widths, and 50 and 100 lb. rolls, \$80.00 per ton in carload lots, \$90.00 in less cars.

Asbestos Paper for Corrugating Purposes, 6 lb. and heavier, Jumbo rolls, \$80.00 per ton in carloads.

Heavy Asbestos Paper, 1/8" and 3/32" width, 100 lb. rolls, \$90.00 in carloads, \$100.00 in less cars.

Millboard, 42" x 48", standard size, \$90.00 carloads, \$100.00 less carloads (less than crate lots subject to \$1.00 crating charge.)

We believe the market is fairly represented by the above prices.

— A S B E S T O S —

Reports from New England indicate good demand in all lines of asbestos products, with fairly good prices. Insulation workers are reported busy. Good volume of business is reported for the present winter season, but as yet very little figuring for the coming summer and fall.

The shingle manufacturers are getting ready for a big spring season. Even in New England, which is a slate country, asbestos cement roofings appear to be finding more and more favor.

Altogether the Asbestos Industry cannot complain—which doesn't mean that we may relax an iota in our efforts to sell asbestos materials.

The bigger the man the less he tries to impress people with his bigness.

TAPE
AND LISTINGS

Write For Samples
and Prices

ATLAS ASBESTOS CO.
NORTH WALES, PA.

POWER PLANT EQUIPMENT
Ventilation and Refrigeration Machinery
Bought, Sold and Installed

STONE INDUSTRIAL EQUIPMENT COMPANY
Boston SPRINGFIELD, MASS. Brooklyn

GEORGE MACLELLAN & Co., Ltd. GLASGOW ASBESTOS WORKS :: GLASGOW N. SCOTLAND
Spinners & Weavers of Asbestos Ask Our Prices and Samples

We are in the market for
RHODESIAN AND CANADIAN ASBESTOS

Chrysotile — Blue — Amosite

E. GROSS & CO., Inc.
Hartford, Conn. (Main Office)
200 Fifth Avenue, NEW YORK CITY

— A S B E S T O S —



AN ACTIVE YEAR PREDICTED

At the recent annual meeting, John T. Spicer, General Manager of the Automotive Equipment business of Johns-Manville Corporation, was elected to head the 1928 activities of the Asbestos Brake Lining Association.

This Association comprises about 95% of the manufacturers of asbestos brake lining in this country and one of their largest problems in 1928 is to find a sufficient quantity of the long fibred asbestos needed to keep the automotive industry supplied with good, safe brake lining.

The size of this industry and its importance to automotive production can be readily realized when it is considered that almost 75,000,000 feet of asbestos brake lining will be required to make safe brakes for the estimated production of 5,000,000 passenger cars and trucks in 1928; about 10,000,000 feet will be used for clutch linings, and the replacement of worn lining on defective brakes needs 50,000,000 feet more. Altogether between 125,000,000 and 150,000,000 feet will be needed.

Mr. Spicer is well known and has many friends in the automotive industry. With the Commissioner, W. J. Parker, Mr. Spicer expects to lead the Association in active campaigns to make driving safe, to reduce the number of accidents and toward uniform national traffic laws.

Splendid assistance will also be rendered by an expert Technical Committee consisting of engineers from Russell Manufacturing Company, Thermoid Rubber and Ferodo Asbestos & Mfg. Company.

A. W. Koehler of the Asbestos Textile Company, and W. H. Dunn of the Manhattan Rubber Company, are the Vice-Presidents of the Association.

The Asbestos Brake Lining Association is pleased to announce the addition of another new member. At its last meeting held on January 18th, the Union Asbestos & Rubber Company of Cicero, Ill., were unanimously elected to membership. L. L. Cohen is President, J. H. Kuhns, Vice President, and C. L. Hill, Vice President and General Manager of the Union Asbestos & Rubber Company.

Asbestos Fibre

*for the manufacture
of*

Roofing Cements • Fibrous Paints

Filtration Packings

Asbestos Shingles and Lumber

Insulating Cements

Asbestos Paper • Pipe Coverings

Asbestos Millboard

High Temperature Cements

THE QUEBEC ASBESTOS
CORPORATION



Office and Mines

EAST BROUGHTON, PROVINCE of QUEBEC
CANADA

A S B E S T O S

Sq. Foot Areas Pipe Covering

Pipe Size	1/2"	3/4"	Std.	1"	1 1/2"	2"	3"	Dble Std.	Pipe Size
1/2	1/2	2/3	2/3	3/4	1	1 1/4	1 5/6	1 1/6	1/2
3/4	1/2	2/3	3/4	3/4	1	1 1/3	1 5/6	1 1/4	3/4
1	2/3	3/4	3/4	5/6	1 1/4	1 1/3	2	1 1/4	1
1 1/4	2/3	5/6	5/6	1	1 1/4	1 1/2	2	1 1/3	1 1/4
1 1/2	3/4	5/6	1	1	1 1/3	1 1/2	2	1 1/2	1 1/2
2	1	1	1 1/6	1 1/6	1 1/3	1 2/3	2 1/4	1 3/4	2
2 1/2	1	1 1/6	1 1/3	1 1/3	1 1/2	1 3/4	2 1/3	2	2 1/2
3	1 1/6	1 1/3	1 1/2	1 1/2	1 3/4	2	2 1/2	2	3
3 1/2	1 1/3	1 1/2	1 5/6	1 1/2	1 5/6	2 1/6	2 2/3	2 1/6	3 1/2
4	1 1/2	1 1/2	1 3/4	1 2/3	2	2 1/4	2 3/4	2 1/3	4
4 1/2	1 1/2	1 2/3	1 5/6	1 5/6	2 1/6	2 1/3	3	2 1/2	4 1/2
5	1 3/4	1 5/6	2	2	2 1/2	2 1/2	3	2 2/3	5
6	2	2 1/6	2 1/3	2 1/3	2 2/3	2 3/4	3 1/3	3	6
7	2 1/4	2 1/2	2 2/3	2 1/2	2 3/4	3	3 1/2	3 1/3	7
8	2 1/2	2 2/3	3	2 5/6	3	3 1/3	3 5/6	3 1/2	8
9	2 3/4	3	3 1/4	3	3 1/3	3 2/3	4	3 5/6	9
10	3	3 1/4	3 1/2	3 1/3	3 2/3	4	4 1/4	4 1/6	10
11	3 1/2	3 1/2	3 5/6	3 2/3	4	4 1/4	4 3/4	4 1/4	11
12	3 2/3	3 3/4	4 1/6	3 5/6	4 1/6	4 1/2	5	5	12
14	4	4	4 1/2	4 1/4	4 1/2	4 3/4	5 1/4	5 1/4	14
16	4 1/2	4 2/3	5	4 2/3	5	5 1/4	6	6	16
18	5	5 1/6	5 1/2	5 1/4	5 1/2	5 3/4	6 1/3	6 1/3	18
20	5 1/2	5 2/3	6	5 3/4	6	6 1/3	6 3/4	6 3/4	20
22	6	6 1/4	6 1/2	6 1/3	6 1/2	6 3/4	7 1/3	7 1/3	22
24	6 1/2	6 3/4	7	6 5/6	7	7 1/3	8	8	24
28			8 1/8	7 2/3	8 1/8	8 3/8	8 9/10	8 9/10	28
30			8 2/3	8 3/8	8 2/3	8 9/10	9 2/5	9 2/5	30

— A S B E S T O S —

CONTRACTORS AND DISTRIBUTORS PAGE

THE CANVAS TABLE

We are indebted to W. N. Ennis, Secretary of the Asbestos Board of Trade of New York City, for the very helpful table which appears on the opposite page.

This table is useful in figuring the additional canvas sewed jacket over the various thicknesses and sizes of pipe covering.

In explanation, note that the extreme vertical columns on both the right and left sides of the sheet indicate the pipe sizes, while the horizontal column at the top indicates the thickness of the covering.

Therefore if you had 200 lineal feet of 3" pipe, covered with Standard thick Magnesia covering, and wanted to know the amount, in square feet, of the additional canvas requirements, you would simply follow horizontally, the 3" size to the Standard thick column. You will then see that for one lineal foot there would be required one and a half ($1\frac{1}{2}$) square feet of canvas. Therefore 200 lineal feet would require 200 times $1\frac{1}{2}$ square feet, or 300 square feet.

To provide for the canvas taken up in seams and waste, an allowance should be added to the above amount, of approximately 20 per cent. This allowance added to the 300 square feet results in the total of 360 square feet to be figured in the estimate.

We will publish from time to time other tables which we believe will save time and trouble.

WAGE NOTES

Kansas City, Mo. New wage agreement entered into January 1st, 1928, and expiring December 31, 1929, calls for a wage of \$1.15 per hour to mechanics for the two year period. The old rate was \$1.00. There was no increase in the rates to helpers.

Houston, Texas. Local No. 22 of Houston, has demanded an increase effective March 1st, 1928, when the present agreement expires, from the present scale of \$1.18 $\frac{1}{4}$ per hour to \$1.37 $\frac{1}{2}$ per hour for mechanics, no change contemplated for helpers.

Minneapolis and St. Paul, Minn. New agreement signed December 31st, 1927, and expiring December 31st, 1930, calls for a rate of \$1.06 $\frac{1}{4}$ for Mechanics. The old rate was \$1.00.

Boston, Mass. It is rumored that Asbestos Workers in and near Boston will shortly ask for \$1.37 $\frac{1}{2}$ per hour rate with Saturday morning off (i. e. a week's pay for five days). The present agreement expires March 31st and calls for \$1.25 per hour.

Cleveland, Ohio. Unions are asking for new agreement in Cleveland, Akron and Youngstown, on a basis of \$1.37 $\frac{1}{2}$ for 1928 and \$1.50 for 1929. The present rate in Cleveland and Youngstown is \$1.25; in Akron \$1.12 $\frac{1}{2}$.

February 1928

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A S B E S T O S



IMPORTS AND EXPORTS



Imports into U. S. A.

Unmanufactured Asbestos.

	December 1926		December 1927	
	Tons (2240 lbs.)	Value	Tons (2000 lbs.)	Value
Africa (Br. S.)	107	\$ 15,114	418	\$ 63,753
Africa (Port. E.)	180	41,416	...	...
Belgium .....	...	...	27	7,084
Canada	19,405	629,716	14,292	584,615
Germany	157	38,092	82	20,788
United Kingdom	13	1,591	21	2,601
	19,862	\$725,929	14,840	\$678,841

Tabulation of Crude only:

Africa (Br. S.)	107	15,114	193	41,489
Africa (Port. E.)	180	41,416	...	...
Belgium .....	...	...	27	7,084
Canada	734	165,660	487	151,980
Germany	157	38,092	82	20,788
United Kingdom	13	1,591	19	2,501
	1,191	\$261,873	808	\$223,842

The balance of material imported during December 1927, consisted of the following: From Canada, 5,592 tons of Mill Fibre, valued at \$291,449 and 8,213 tons of lower grades, valued at \$141,186; from British S. Africa, 225 tons of Mill Fibre, valued at \$22,264; and from the United Kingdom, 2 tons of Mill Fibre, valued at \$100.

NOTE: In the December 1927 and January 1928 numbers, the ton was designated as 2000 lbs., when covering imports of raw material into the United States. This should have been 2240 lbs.. Canadian figures for imports, and African figures for production are the only ones where the ton contains but 2000 pounds.

Manufactured Goods:

	December 1926		December 1927	
	Pounds	Value	Pounds	Value
<i>Yarn—</i>				
Canada	5	4	...	...
Germany .....	...	...	441	\$ 445
United Kingdom	20,444	\$ 7,098	35,739	10,143

ASBESTOS

"CAPE" BLUE ASBESTOS

POSSESSES

DURABLE & NON-CONDUCTING QUALITIES

unequalled by any other asbestos, besides which it has:

- (1) Greater tensile strength
- (2) Greater specific volume
- (3) Greater resiliency

SPECIALTIES :—

ALL CHEMICALLY PURE i. e. 100% ASBESTOS

"Pluto" Blue Asbestos **Mattresses** for Locomotive and Marine Boilers, etc.

Blue Cloth for Acid Filtration

'Bluejacket' Sectional Covering for steam pipes
(100% Asbestos)

THE RAW MATERIAL IS GRADED AS
FOLLOWS:

"S" Crude from $\frac{1}{4}$ in. to $\frac{1}{2}$ in. in length of fibre

"A" Crude from $\frac{1}{2}$ in. to $\frac{3}{4}$ in. in length of fibre

"B" Crude from $\frac{3}{4}$ in. upwards in length of fibre

Prices for Crude can be obtained on application direct to the Cape Asbestos Co. Ltd.

The Cape Asbestos Co.
Limited
Morley House 26-30 Holborn Viaduct London E.C.1.
Factory, Barking, Essex

Telegrams:— "Incorrupt," London. Telephone City 6937

Sole Representatives for the sale
of blue manufactured goods in
America.

The United States Asbestos Co.
Manheim,
Penna.

A S B E S T O S

Fabrics, Woven—

Canada	1,300	106	...	...
Italy	40	147	...	...
United Kingdom	6,652	5,068	17,418	7,006

Packing, Fabric—

Canada	100	42	...	...
United Kingdom	7,376	2,667	...	...

Packing, not Fabric—

Austria	16,699	4,752	...	...
Canada	182	147	850	39
France .....	...	...	2,912	462
Germany	3,284	867
United Kingdom	1,685	1,565	6,594	2,789

18,566	6,464	13,640	4,157
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Paper and Millboard—

Canada	518	83
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Shingles, Slate, Wood and Lumber—

Belgium	2,123,253	30,184	3,781,148	55,065
Canada	136	8
France	179,172	2,346	430,144	8,262
Germany	74,487	1,468	113,034	1,823
Italy	55,300	1,195
Netherlands	582,401	10,225	427,422	7,039

3,014,613	\$45,418	4,751,884	\$72,197
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Paper and Millboard—None.

Asbestos Cement—

Italy	960	37
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Other Manufactures—

Austria	214	70
Belgium	1,034	126	38,716	633
Canada	3,425	250	1,200	138
France .....	...	...	10,564	258
Germany	80	38	150	324
United Kingdom	3,230	4,020	4,692	2,760

7,769	\$4,434	55,536	\$4,183
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Total	3,077,383	\$71,531	4,875,618	\$98,168
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Exports from U. S. A.

Exports of Unmanufactured Asbestos for the month of November 1927 amounted to 1 ton, valued at \$33.00, as compared with 95 tons, valued at \$12,142 during November 1926. (Tons 2240 lbs.) Note that the figures for exports are always a month behind those for imports.

Exports of Manufactured Asbestos Goods:

	November 1926		November 1927	
	Pounds	Value	Pounds	Value
Paper, Mlbd. & Rlbd.	224,206	\$12,663	69,270	\$ 8,275
Pipe Covg. & Cement	573,550	36,361	321,252	17,112
Textiles, Yarn & Pkg.	107,751	62,580	148,940	59,943

CYPRUS ASBESTOS COMPANY
LIMITED

PRODUCTION
of
CYPRUS FIBRE
1925 - 1928



SOLE SELLING AGENTS

CYPRUS TRADING CORPORATION, Ltd.
49 ST. JAMES'S STREET, LONDON, S. W. I.

A S B E S T O S

Brake & Clutch Lin'g	112,810	73,755	47,317	31,174
Magnesia & Mfrs. of	546,068	25,877	295,583	22,516
Asbestos Roofing ...	11,665 sqs.	81,120	2,909 sqs.	16,329
Other Manufactures	159,311	28,789	376,177	38,075

Exports of Raw Asbestos from Canada.

	December 1926		December 1927	
	Tons	Value	Tons	Value
	(2000 lbs.)		(2000 lbs.)	
United Kingdom	817	\$ 62,075	1,549	\$ 98,036
United States	8,409	492,948	5,439	392,299
Australia	200	14,500	155	11,625
Belgium	1,351	82,751	760	55,400
Denmark			110	7,150
France	380	24,450	200	15,350
Germany	2,233	171,000	2,115	166,885
Italy	185	26,050	248	16,450
Japan	250	14,000	320	15,500
Netherlands	200	23,575	505	29,345
Total	14,025	\$911,349	11,401	\$808,040
<i>Asbestos Sand and Waste</i>				
United Kingdom	440	9,598	287	6,537
United States	13,595	205,108	9,210	143,666
Australia			5	125
Belgium	180	3,000		
Germany	558	12,800	675	16,500
Italy			30	750
Netherlands	320	6,800	360	9,300
Total	15,093	237,306	10,567	176,878
Grand Total	29,118	\$1,148,655	21,968	\$984,918

Imports and Exports by England.

	December 1926		December 1927	
	Tons	Value	Tons	Value
	(2240 lbs.)		(2240 lbs.)	
From Rhodesia	671	£20,439	1,373	£47,137
From Canada	645	10,475	1,848	28,739
From Other Countries ..	801	16,616	1,686	41,384
	2,117	£47,530	4,907	£117,260
Re-Shipments	496	14,035	164	5,143

Exports of Manufactured Asbestos Goods:

To Netherlands	58	£ 536	66	£ 5,075
To France	28	466	65	6,309
To U. S. A.	21	294	16	2,844
To British India	415	7,246	361	11,693
To Australia	31	512	50	6,494
To Other Countries	1,091	15,835	1,691	70,387
	1,644	£24,889	2,249	£102,802

ASBESTOS

SUMMARIES

Imports into U. S. A.

Unmanufactured Asbestos (by Countries).

	Year 1926		Year 1927	
	Tons (2240 lbs.)	Value	Tons (2240 lbs.)	Value
Africa (Br. S.)	2,323	\$ 358,894	3,106	\$ 496,430
Africa (Port. E.) . . .	1,390	287,580	1,832	441,803
Africa (Other Port.) . .			67	15,390
Canada	225,055	7,310,523	192,391	6,679,642
United Kingdom . . .	871	111,357	255	49,941
Other Countries	340	71,377	1,766	460,330
	229,979	\$8,139,731	199,417	\$8,143,536

By Grades.

Africa

Crude	3,532	634,074	4,431	898,541
Mill Fibre	180	12,390	574	55,082
Lower Grade	1	10		

Canada

Crude	11,548	1,842,823	4,884	1,331,426
Mill Fibre	81,097	3,456,460	69,944	3,433,099
Lower Grades	132,410	2,011,240	117,563	1,915,117

Austria

Mill Fibre			22	763
Lower Grades			1	14

Belgium

Crude			84	18,795
Mill Fibre			59	8,986

France

Lower Grades	1	24		
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Germany

Crude	312	65,424	1,560	429,563
Mill Fibre			31	912

India, Br.

Mill Fibre			3	88
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Italy

Crude	2	372	6	1,209
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Netherlands

Mill Fibre	25	1,050		
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United Kingdom

Crude	477	\$ 107,626	194	\$ 43,500
Mill Fibre	58	2,748	61	6,441
Lower Grades	336	5,490		

229,979	\$8,139,731	199,417	\$8,143,536
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February 1928

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A S B E S T O S

Imports into U. S. A.

Manufactured Asbestos.

	Year 1926		Year 1927	
	Pounds	Value	Pounds	Value
<i>Yarn—</i>				
Canada	5	\$ 4		
Germany	1,511	1,343	2,100	1,901
Italy			602	653
United Kingdom ...	297,423	95,286	335,381	105,386
	<u>298,939</u>	<u>\$ 96,633</u>	<u>338,083</u>	<u>\$ 107,940</u>

<i>Fabrics, Woven—</i>				
Canada	1,300	\$ 106		
Belgium	8,750	3,015		
Germany	9,788	4,069	103	139
Italy	40	147		
United Kingdom ...	107,345	42,162	101,818	52,837
	<u>127,223</u>	<u>\$ 49,499</u>	<u>101,921</u>	<u>\$ 52,976</u>

<i>Packing, Fabric—</i>				
Austria	8	8		
Canada	1,236	120	413	275
Denmark	309	161		
Germany			2,182	609
Italy			97	203
Switzerland	90	96		
United Kingdom ...	50,253	21,609	16,538	7,131
	<u>51,896</u>	<u>21,994</u>	<u>19,230</u>	<u>8,218</u>

<i>Packing, not Fabric—</i>				
Austria	164,410	14,373	29,014	6,469
Canada	653	248	4,280	353
France			6,607	1,719
Germany	24,500	5,220	38,722	9,804
Switzerland	2,573	678		
United Kingdom ..	6,320	2,648	43,476	14,636
	<u>198,456</u>	<u>23,167</u>	<u>122,099</u>	<u>32,981</u>

Shingles, Slate, Wood and Lumber—

	Year 1926		Year 1927	
	Pounds	Value	Pounds	Value
Belgium	48,152,037	\$ 682,017	104,902,345	\$1,410,522
Canada	654,167	20,806	355,524	11,151
France	1,185,793	14,108	20,941,666	298,250
Germany	1,166,892	22,735	2,341,536	42,159
Italy	312,089	5,681	140,305	2,697
Netherlands ..	2,936,200	50,483	5,488,962	83,847
Switzerland ..			204,001	28,718

Asbestos Yarn Machinery

We wish to call to your attention that we can supply asbestos yarn manufacturers (and have for many years) the following machines:—

Automatic Card Feeds
Breaker and Finisher Full
Roller Cards
Camel Back Feeds
Derby Doublers
Condensers
Spinning Frames
Ring Twisters
Flyer Twisters

WHITIN MACHINE WORKS
Whitinsville, Mass.

Charlotte, N. C.

Atlanta, Ga.

A S B E S T O S

United Kingdom		72,782	23,164
Yugo Slavia ..		8,390	195
	54,407,178	\$ 795,830	134,455,511
			\$1,900,703
<i>Asbestos Cement—</i>			
Belgium	345,125	7,219	13,800
Canada	9,641	339	26,799
France	30,000	867	
Germany	552,275	9,327	
Italy	1,501,432	27,596	45,490
Netherlands ..	4,587	131	600
United Kingdom	1,381	244	
	2,444,441	\$ 45,723	86,689
			\$ 2,895
<i>Paper and Millboard—</i>			
Canada	518	83	
France			3,400
			157
<i>Other Manufactures—</i>			
Austria	763	1,294	12,283
Belgium	2,099,259	30,176	86,130
Canada	22,565	1,831	63,140
France	10,103	1,912	17,741
Germany	605,473	17,349	35,790
Italy	300,128	8,791	50
Netherlands ..	1,195,571	20,169	3,064
Sweden	72	19	
Switzerland ..	466	125	550
United Kingdom	103,510	55,605	77,418
	4,337,910	137,271	296,166
			71,092
<i>Grand Total</i>	<i>61,866,561</i>	<i>\$1,170,290</i>	<i>135,423,099</i>
			<i>\$2,176,962</i>

NOTE: Some of the figures under *Asbestos Cement* and *Other Manufactures* for 1926 are very evidently Asbestos Cement materials, placed by the U. S. Customs Department under the wrong classification. This has been corrected in 1927.

Exports Raw Asbestos from Canada.

	Year 1926		Year 1927	
	Tons (2000 lbs.)	Value	Tons (2000 lbs.)	Value
United Kingdom	7,710	\$ 575,866	11,673	\$ 818,858
United States ...	92,897	5,295,168	75,930	4,706,247
Australia	1,605	116,250	1,697	119,965
Belgium	10,033	628,981	8,068	540,655
Denmark	126	6,600	206	15,140
France	6,860	481,145	5,486	409,840
Germany	12,537	900,104	16,317	1,223,768
Italy	3,671	242,482	3,687	246,633

A S B E S T O S

Japan	4,518	250,714	7,553	402,075
Mexico	80	5,450	50	3,500
Netherlands	1,723	167,050	2,533	130
New Zealand ...			2	209,290
Spain				
Other Countries .			23	1,275
	141,760	\$ 8,669,810	133,225	\$ 8,697,376

Asbestos Sand and Waste.

United Kingdom	1,579	35,467	2,823	65,479
United States	120,781	1,743,635	120,378	1,830,728
Australia			5	125
Belgium	10,961	151,168	625	10,703
France	351	7,517	379	11,001
Germany	1,656	34,718	3,512	69,773
Italy	123	2,775	60	1,500
Japan			25	562
Netherlands	720	15,850	2,203	46,939
Other Countries .	60	1,350	55	1,125
	136,231	1,992,480	130,065	2,037,935
Grand Total	277,991	\$10,662,290	263,290	\$10,735,311

Imports and Exports by England.

Imports of Raw Material.

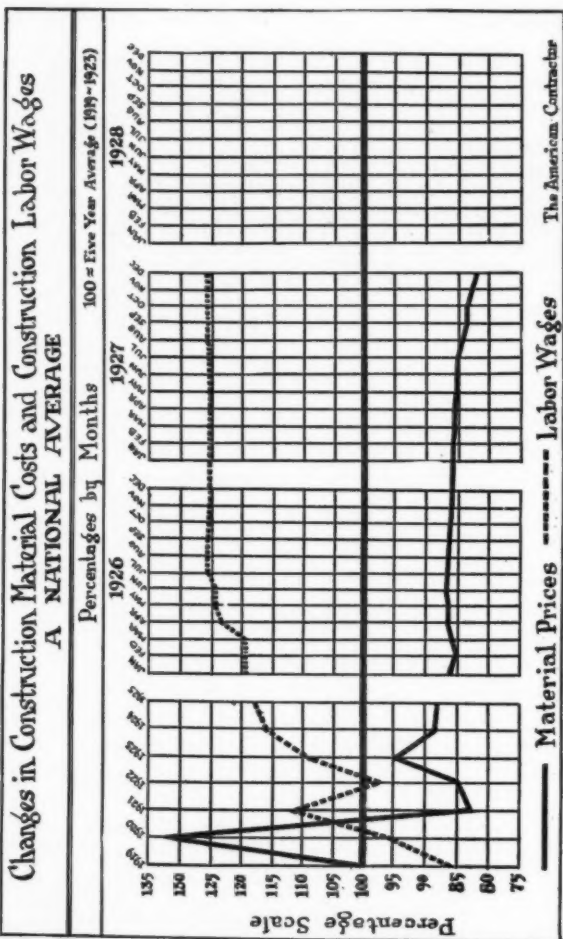
	Year 1926*		Year 1927	
	Tons (2240 lbs.)	Value	Tons (2240 lbs.)	Value
From Rhodesia	12,403	£387,580	12,353	£384,581
From Canada	8,343	154,545	13,599	226,068
From Other Countries .	6,947	167,361	7,568	196,057
	27,693	709,486	33,520	806,706
Re-Shipments	2,764	100,108	3,794	116,412

Exports of Manufactured Asbestos Goods:

To Netherlands	536	52,896	765	67,242
To France	466	91,432	482	71,800
To U. S. A.	294	51,752	403	50,573
To British India	7,246	162,920	9,549	199,309
To Australia	512	75,859	539	80,280
To Other Countries	15,656	680,868	18,876	799,613
	24,710	1,115,727	30,614	1,268,817

*Figures revised slightly from last year.

SPECIAL PROBLEMS SOLVED
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STONE INDUSTRIAL EQUIPMENT CO.
Dorchester SPRINGFIELD, MASS. Wallingford

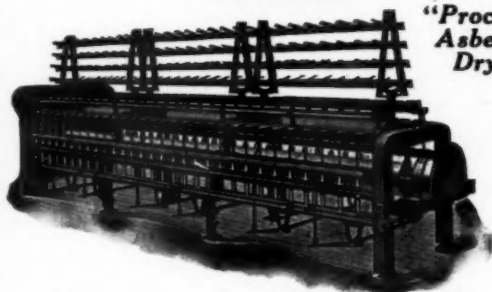


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MOLITH ASBESTOS VORAKS

BELGIUM

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BETON & MOLITH S.A. - MOLL.

Telegrams "Mollith Moll"

Birthdays. Our birthday list this month contains the following names: E. M. Rogers, President of the Rogers Asbestos Co., Inc., Houston, Texas, whose birthday date is February 24th; W. A. Godfrey, Secretary and Manager of the Cape Asbestos Company, Limited, London, England, March 1st; J. P. O'Malley, Secretary, Standard Asbestos Mfg. Company, Chicago, Ill., March 1st. We extend to these gentlemen hearty birthday greetings.

Samuel H. Dolbear, announces, as of January 10th, the removal of his New York Office to Suite 2843, No. 17 Battery Place (Whitehall Building). The new telephone number is Whitehall 2618.

John F. Green. It is with great regret that we announce the death of John F. Green, at Pikesville, Md., on January 12th. Mr. Green has been mentioned in these pages from time to time because of several experiments he was conducting on asbestos fibres. Many of our readers will remember him personally as being intensely interested in the result of these experiments. Mr. Green would have been 88 years old on February 29th of this year. He was buried in his family lot in Mt. Olivet Cemetery, Baltimore.

Philip Carey Company, has just issued a condensed catalogue of Carey Products, (No. 1362-B). This catalogue contains comprehensive yet concise information on the various insulation and allied products manufactured by the Carey Company, meaning that while the catalogue is not bulky, the information in it is very complete. It is attractively printed and a number of helpful tables are included in its pages. We feel sure the Philip Carey Company at Lockland, Cincinnati, Ohio, will be glad to send a copy to any of our readers upon request.

— A S B E S T O S —

B. Marcuse, of the Canadian Asbestos Company, Montreal, has moved his well-known exhibit of Asbestos specimens from the Johns-Manville showrooms in New York (where it has been on display for some months) to the showrooms of the Canadian Asbestos Company in Montreal, where it is open to the public.

Articles. Readers may be interested in the brief resume of the Asbestos business during 1928, which was published in the January 21st number of the Engineering and Mining Journal. The article was written by Norman R. Fisher, a Consulting Engineer of Montreal, and covers the year's activities in Asbestos very completely.

"The True Size of Asbestos Crystals" is the title of an article written by Dr. Gerhart Rosenbaum of Puchov, Czecho-Slovakia, and published in the December 1927 issue of "Kautschuk," a German magazine. With the article are reproductions of a number of micro-photos of various asbestos fibres.

Beton & Mollith, Ltd., of Moll, Belgium, have just published their new 1928 forty page illustrated booklet. The illustrations show the plant, various machinery used, stocks of Asbestos Cement materials, etc., and each illustration is accompanied by a description written in six languages,—English, German, Danish, Spanish and Dutch.

George Dent Crabbs, President of the Philip Carey Company, Lockland, Cincinnati, Ohio, on January 18th, was guest of honor at a dinner given by the Chamber of Commerce of Cincinnati, in recognition of Mr. Crabbs' magnificent achievement in obtaining for Cincinnati the \$75,000,000 unified freight and passenger terminals. Over one thousand persons attended the dinner, which was held in the roof garden of the Hotel Gibson, and in this number were included twenty-four railroad executives and many prominent figures in the business, club, philanthropic, political and religious life of Cincinnati.

Mr. Crabbs, in acknowledging the tribute paid him, asked that others be given credit for their splendid co-operation in making the long dreamed of project a definite fact.

Rogers Asbestos Company, of Houston, Dallas and Fort Worth, Texas, has recently been appointed distributors for the State of Texas on the entire line of Philip Carey Products.

Turner & Newall, Rochdale, England, have decided to increase their capital by one million pounds, raising it from three millions to four millions, the additional capital to be used to discharge loans, and further develop the business.

Mr. & Mrs. C. W. Lemmerman announce the birth of a son on January 28th. Mr. Lemmerman is Manager of the New York Branch of the Ric-Wil Company, manufacturers of underground conduit, and whose advertisement appears in our pages.

Ralph E. Frey, Vice President of the Asbestos Shingle, Slate & Sheathing Company of Ambler, Pa., recently spent a week in Havana, in the interests of Asbestos Cement Products.

— A S B E S T O S —

Stone Industrial Equipment Company of Springfield, Mass., report rapid expansion of their activities during the past year. They are now doing a constantly increasing business thruout New Jersey, New York, Pennsylvania and other eastern seaboard states, as well as New England where they began operations about three years ago.

Johns-Manville Corporation. At the last meeting of the stockholders, of the Johns-Manville Corporation, the by-laws of the Company were changed, reducing the number of directors from twenty-four to not more than nine. The names of the Directors are Walter H. Aldridge (President, Texas-Gulf Sulphur Co.); Francis D. Bartow (J. P. Morgan & Co.); H. Edward Manville, Chairman of the Board; Thomas F. Manville, Jr.; Theodore F. Merseles, President Johns-Manville Corporation; William R. Seigle, V. P. in charge of Mines and Factories, Johns-Manville Corporation; George Whitney, (J. P. Morgan & Co.)

Geo. A. Nicol, General Sales Manager of the Railroad and Government Department, was elected a Vice President of this Corporation at its last meeting.

Asbestos Shingle, Slate & Sheathing Company. Branch Managers from Boston, Buffalo, Chicago, Cleveland, Detroit, Minneapolis, New York, Pittsburgh, Philadelphia, Washington and Wilkes-Barre, attended the annual Branch Managers Meeting of the Asbestos Shingle Slate & Sheathing Company, held during the week of January 9th, at the Mayfair Hotel, St. Louis. The meeting discussed matters of general interest and sales policies for the coming year and a visit to the new St. Louis factory was a part of the program. There were also present at this meeting Royal Mattison, Ralph E. Frey, L. S. Moore and John Ledebouer from Ambler, and D. W. Widmayer of St. Louis.

Philadelphia Quartz Company. Following established custom, members and staff of the Philadelphia Quartz Company, gathered at the Down Town Club, Philadelphia, on Tuesday evening, January 24th, for their annual "get-together" and dinner. More than 100 people attended. The Company is a specialist in the manufacture of silicates of soda and is a subscriber to "ASBESTOS."

The Ehret Magnesite Mfg. Company, Valley Forge, Penna., has recently purchased the presses and various other pieces of modern machinery used in the manufacture of pipe covering, from the Valley Forge Magnesite Company of East Valley Forge.

Abb. Landis. It is with great regret that we report the death on Dec. 9th, 1927, of Abb. Landis, owner of the Hollywood Asbestos mines, Hollywood, Ga.

PATENTS

Fastening for Wall Covering. No. 1,650,117. Granted on November 22nd, to Rene Dorn, New York City, assignor to R. J. Dorn Co., of New York. Filed February 24, 1927. Serial No. 170,450.

— A S B E S T O S —

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GASKETS, SEAMLESS AND JOINTED

PACKINGS, STEM AND HIGH PRESSURE

WICK AND ROPE

ASBESTOS FIBRE SPINNING COMPANY

NORTH WALES, — PENNA.

A S B E S T O S

Road Structure & Process of Making. Reissue No. 16,799. Granted on November 29th, to Jefferson S. Burdge, Huntington Park, Calif. Assignor to Warren Brothers Company, Boston, Mass. Filed Sept. 7, 1923. Serial No. 661,532. Original 1,390,194, dated Sept. 6, 1921. Serial No. 37,140. Filed April 5, 1920. Contains Asbestos.

Packing. No. 1,1651,277. Granted on November 29th to Cecil R. Hubbard, Newark, N. J. Assignor to Garlock Packing Company, Palmyra, N. Y. Filed August 11, 1925. Serial No. 42,911.

Packing. No. 1,653,439. Granted on December 20th, to Frank E. Payne, Chicago, Ill. Assignor to Crane Packing Company, Chicago. Filed February 8, 1923. Serial No. 617,722. (May or may not contain Asbestos).

Transmission Band. No. 1,653,399. Granted on December 20th, to Charles A. Ingersoll, Portland, Conn., Assignor to Russell Mfg. Company, Middletown, Conn. Filed March 26, 1925. Serial No. 18,442.

AUTOMOBILE PRODUCTION

Production of automobiles during December 1927 totalled 136,613 vehicles.—133,178 in the United States and 3,435 in Canada. This as compared with a production of 140,998 vehicles in November, and 175,676 a year ago.

The following tabulation may be of interest:

	United States	Canada	Total	Pass. Cars	Trucks
1923	4,020,255	146,438	4,166,693	3,760,956	405,737
1924	3,600,918	135,246	3,736,164	3,320,814	415,350
1925	4,265,704	165,389	4,427,093	3,899,770	527,323
1926	4,289,799	205,092	4,503,891	3,973,236	530,655
1927	3,393,887	179,426	3,573,313	3,085,738	487,575

BUILDING STATISTICS

1927 was the second highest year in the construction industry, according to the announcement of the F. W. Dodge Corporation. Total construction for the entire country during 1927 was estimated at \$6,800,000,000, 3% less than 1926.

The monthly record for December showed decreases in number of projects and floor space, but an increase in valuation.

Steady Market For Asbestos Waste

Always in the market for all kinds of
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Send samples stating quantity.

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THIS AND THAT

When you read in this journal a write-up on one of your competitors, get busy and send us one of your own Company. We can use it at almost any time.

In talking with a man the other day who has under him a number of salesmen, he told us that he insisted on all his men reading "ASBESTOS" each month as it arrived.

During the last week or so several men whose chief occupation is the selling of asbestos products, have indicated that they are very loath to do without "ASBESTOS."

We do not publish this for the purpose of "blowing our own horn," but with the thought that perhaps Asbestos Executives, in renewing their company's subscription to "ASBESTOS," might like to know how most asbestos salesmen regard the magazine, and include in the subscription, a copy or two to be sent to their own salesmen for personal use.

When but one copy comes into an office, it is very easy for the salesman to overlook reading it, especially if he happens to be out on the road at the time it arrives.

A copy addressed to your salesman's home address will assure his reading it regularly and we have special rates for bulk subscribers.

Someone suggests that the center of the earth could be utilized as a central heating plant for the world. One never can tell how scientific research may increase the use of asbestos suits.

Sometimes the question is asked "Why spend so much time on Standardization?" Standardization is simply one way of eliminating waste and reducing the cost of doing business.

A tabulation of importation of Asbestos Cement Products into the States during 1927, by *ports*, has been compiled and will be sent to any reader upon request.



Asbestos Prepared Roofing

- 3 Ply White Seal Asbestos Roofing
- 4 Ply White Seal Asbestos Roofing
- 4 Ply Fire Chief Asbestos Roofing, Burlap Center
- 3 Ply Black Seal Asbestos Roofing
- 4 Ply Black Seal Asbestos Roofing

These are all mineral products made to withstand the elements and give life time service.

Approved by the Board of Underwriters' for use in fire zones.

Highest quality Roofing manufactured.

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Asbescoat No. 67 Base Felt

Asbestos No. 30 Base Felt

Asbestos No. 35 Base Felt

2 Ply White Seal Asbestos Base Felt

2 Ply Black Seal Asbestos Base Felt

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